



## *art* news

18 October 2019

*art* stakeholders meeting



# ROOT issues

- ROOT 6.18/04 still unable to support more complicated I/O rules involving nested `Double32_t` data members.
  - <https://sft.its.cern.ch/jira/browse/ROOT-10271>
- Upgrade of (e.g.) build nodes to SL 7.7 causes problems when using a pre-built debug version of ROOT

```
root.exe: /scratch/workspace/canvas-products/vdevelop-/SLF7/e17-debug/build/root/v6_16_00/source/root-6.16.00/interpreter/llvm/src/tools/clang/include/clang/Serialization/Module.h:72: clang::serialization::InputFile::InputFile(const clang::FileEntry*, bool, bool): Assertion `!(isOverridden && isOutOfDate) && "an overridden cannot be out-of-date"' failed.
```

- Known fragility: <https://cdcvns.fnal.gov/redmine/issues/23325>
- SciSoft team will discuss how to deal with this on Monday.

# Request to change behavior for configuration-pruning printout

- If you have modules that are not in any path, *art* 3.03, automatically removes their entries from the configuration.
- You may get a printout that looks like:

```
The following module labels are either not assigned to any path,  
or they have been assigned to ignored path(s):  
'filter1', 'filter2'
```

- This printout used to be logged to a message-facility destination.
- The check for unused modules happens much earlier now and cannot be suppressed through the messagefacility.
- There is a request to suppress this printout by default (e.g.):

```
art -c <my_config> # no message  
art -c <my_config> --prune-config=quiet # no message  
art -c <my_config> --prune-config=verbose # prints message.
```

## **art 3.04 and 3.05 tentative plans**

- Had more ambitious plans than seems practical right now.
- **art 3.04 (target early November)**
  - Minor feature improvements and bug fixes
  - Breaking changes (e.g.)
    - No macOS builds
    - Drop e17 and c2 compilers (still retain e19 and c7)
    - Default qualifiers will imply Python 3; to use Python 2, will introduce 'py2' qualifier.
- **art 3.05 (target end-of-year)**
  - External product refresh
  - Introduce updated versions of Clang and GCC
  - ServiceHandle deprecation and service-configuration pruning